

INTERNATIONAL SEARCH REPORT

International Application No

PCT/EP2005/003715

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 C12N5/00 C07K14/47 C07K14/435 G01N33/50 G01N33/68

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C12N G01N

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, BIOSIS, EMBASE, Sequence Search, CHEM ABS Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	KAGAWA T ET AL: "475 Bile acid transport activity and intracellular distribution of PFIC2 mutants in MDCKII cells coexpressing NTCP and BSEP" HEPATOLOGY, WILLIAMS AND WILKINS, BALTIMORE, MD, US, vol. 38, 2003, page 389, XP004623690 ISSN: 0270-9139 the whole document	1-52
Y	WO 02/099088 A (DEUTSCHES KREBSFORSCHUNGSZENTRUM STIFTUNG DES OEFFENTLICHEN RECHTS; CU) 12 December 2002 (2002-12-12) the whole document	1-52
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☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

* Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the International filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the International filing date but later than the priority date claimed

T later document published after the International filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

Y document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

Z document member of the same patent family

Date of the actual completion of the international search

11 August 2005

Date of mailing of the international search report

29/08/2005

Name and mailing address of the ISA

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PCT/EP2005/003715

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	<p>CUI Y ET AL: "VECTORIAL TRANSPORT BY DOUBLE-TRANSFECTED CELLS EXPRESSING THE HUMAN UPTAKE TRANSPORTER SLC21A8 AND THE APICAL EXPORT PUMP ABCC2" MOLECULAR PHARMACOLOGY, BALTIMORE, MD, US, vol. 60, no. 5, November 2001 (2001-11), pages 934-943, XP001098543 ISSN: 0026-895X the whole document</p>	1-52
Y	<p>SASAKI MAKOTO ET AL: "Transcellular transport of organic anions across a double-transfected Madin-Darby canine kidney II cell monolayer expressing both human organic anion-transporting polypeptide (OATP2/SLC21A6) and multidrug resistance-associated protein 2 (MRP2/ABCC2)" JOURNAL OF BIOLOGICAL CHEMISTRY, vol. 277, no. 8, 22 February 2002 (2002-02-22), pages 6497-6503, XP002340289 ISSN: 0021-9258 the whole document</p>	1-52
Y	<p>SUN AN-QIANG ET AL: "Sorting of rat liver and ileal sodium-dependent bile acid transporters in polarized epithelial cells" AMERICAN JOURNAL OF PHYSIOLOGY, vol. 275, no. 5 PART 1, November 1998 (1998-11), pages G1045-G1055, XP002340290 ISSN: 0002-9513 the whole document</p>	1-52
P,Y	<p>HARRIS MATTHEW J ET AL: "Taurocholate transport by hepatic and intestinal bile acid transporters is independent of FIC1 overexpression in Madin-Darby canine kidney cells" JOURNAL OF GASTROENTEROLOGY AND HEPATOLOGY, vol. 19, no. 7, July 2004 (2004-07), pages 819-825, XP002340291 ISSN: 0815-9319 the whole document</p>	1-52

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
P, Y	MITA SACHIKO ET AL: "Vectorial transport of bile salts across MDCK cells expressing both rat Na ⁺ -taurocholate cotransporting polypeptide and rat bile salt export pump" AMERICAN JOURNAL OF PHYSIOLOGY - GASTROINTESTINAL AND LIVER PHYSIOLOGY, vol. 288, no. 1, January 2005 (2005-01), pages G159-G167, XP009051619 ISSN: 0193-1857 the whole document	1-52
A	----- TRAUNER MICHAEL ET AL: "Bile salt transporters: Molecular characterization, function, and regulation." PHYSIOLOGICAL REVIEWS, vol. 83, no. 2, April 2003 (2003-04), pages 633-671, XP002340293 ISSN: 0031-9333 -----	

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Information on patent family members

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PCT/EP2005/003715

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
WO 02099088	A	12-12-2002	EP 1264880 A1	11-12-2002
			WO 02099088 A1	12-12-2002
			EP 1392822 A1	03-03-2004
			JP 2004534538 T	18-11-2004
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